

1                    DEVICE FOR IRRADIATING TISSUE

2                    ABSTRACT OF THE DISCLOSURE

3

4            A device for irradiating tissue includes a fluorescent

5    element for receiving pump radiation and responsively

6    emitting radiation having different spectral

7    characteristics than the pump radiation. A redirector

8    receives emitted radiation promulgated in a direction away

9    from a tissue target and redirects the radiation toward the

10   target. The pump radiation may be supplied, for example, by

11   a flashlamp or frequency-doubled neodymium-doped laser. Use

12   of the device provides an inexpensive and effective

13   alternative to conventional dye laser-based systems for

14   various medical therapies, including treatment of vascular

15   and pigmented lesions, tattoo and hair removal, and

16   photodynamic therapy (PDT).